DAVENPORT UNIVERSITY

COMPUTER SCIENCE (BS)
SPECIALTY: ARTIFICIAL INTELLIGENCE
2019-2020 RECOMMENDED PROGRAM SEQUENCE (Full-time)
120 CREDITS

COMP SCIE BS (ARIS)

FRESHMAN YEAR

Fall Semester		(15 credits)	Winter Semester		(16 credits)
ACES100	Achieving Career and Education Success	3	CISP247	Database Design	3
CISP111	Requirements Planning and Development	3	CSCI231	Introduction to Programming	3
COMM120	Presentation Techniques	3	ENGL110	Advanced Composition	3
ENGL109	Composition	3	IAAS221	Security Foundations	3
PHYS100	Applied Physics	2	PHYS210	Fundamentals of Physics I	3
PHYS100L	Applied Physics Lab	1	PHYS210L	Fundamentals of Physics I Lab	1

SOPHOMORE YEAR

Fall Semester		(16 credits)	Winter Semester		(15 credits)
CSCI234	Object-Oriented Programming with C#	3	CSCI222	Biometrics Fundamentals	3
CSCI260	Software Engineering	3	CSCI258	Introduction to Game Design	3
MATH215	Calculus I	4	CSCI280	Artificial Intelligence	3
MATH250	Discrete Structures	3	CSCI312	Data Structures and Algorithms	3
NETW220	Data Communications and Networks	3	SOSC201	Diversity in Society	3

JUNIOR YEAR

Fall Semester		(16 credits)	Winter Semester		(16 credits)
BUSN210	Professional Ethics	3	CSCI268	Assembly Language and Comp. Architecture	3
CSCI420	Parallel and Distributed Systems	3	CSCI410	Pattern Recognition	3
ENGL311	Professional Writing	3	CSCI445	Design and Analysis of Algorithms	3
MATH205	Linear Algebra	4	MATH350	Differential Equations with Modeling	4
	Open Elective	3	SOSC301	Globalization and World Diversity	3

SENIOR YEAR

Fall Semester		(12 credits)	Winter Semester		(14 credits)
CSCI325	Deep Learning	3	CSCI385	Special Topics: Advances in Biometrics	3
CSCI380	Computer Vision	3	CSCI436	Concepts of Programming Languages	3
CSCI490 or TECH489	Computer Science Internship or Field Experience in Technology	3	CSCI430	Operating Systems	3
	Open Elective	3	CSCI497	Computer Science Capstone	3
				Open Elective	2

This information is subject to change and cannot be considered an agreement or contract between individual students and Davenport University. Refer to the current University catalog to confirm degree requirements.